# Prepared for

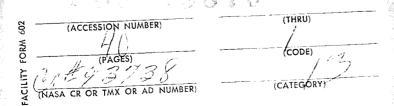
Earth Resources Survey Program
Space Applications Programs
National Aeronautics and Space Administration

GPO PRICE	\$
CSFTI PRICE	s) \$
Hard copy Microfiche	1.5
ff 653 July 65	

bv

U. S. Army Corps of Engineers Fort Belvoir, Va. 22060

September 1966







# PRECEDING PAGE BLANK NOT FILMED.

This bibliography is a compilation of references found in open literature concerning remote sensing of resources, and associated subjects.

Generally, references cited have appeared between January 1960 and June 1966.

References on geophysics and meteorology have been excluded, except for some articles of general interest.

References on the technical aspects of electromagnetic sensing have also been excluded.

This bibliography was prepared by Mrs. Natalie E. Jones, under the supervision of Dr. Roger A. Leestma, U. S. Army Corps of Engineers, Fort Belvoir, Va. 22060. It was done for the Earth Resources Program Office, National Aeronautics and Space Administration, Dr. Peter C. Badgley, Chief, as a part of "Air and Spaceborne Imagery and Related Tasks," NASA - Defense Purchase Request R-47-009-006.

 Bibliography
 ......pages 5-33

 Index
 .....pages 35-40

# PRECEDING PAGE BLANK NOT FILMED.

- Anon., 1962a, TIROS IV photographs Holy Land: Aviation Wk. and Space Technol., v. 76, no. 19, p. 60.
- Anon., 1962b, Project TIREC: Amer. Meteor. Soc. Bull., v. 43, no. 7, p. 348.
- Anon., 1964, Surveillance promises civil spin-off: Missiles and Rockets, v. 14, no. 22, p. 44.
- Anon., 1965a, Reconnaissance satellites: Interavia, v. 20, p. 104-106.
- Anon., 1965b, Beyond Apollo the near-earth missions: Space/Aeronautics, v. 44, no. 5, p. 57 62.
- Anon., 1966, Shifting ranges, altitudes, mark Gemini 6/7 rendezvous: Aviation Wk. and Space Technol., 31 Jan, p. 48 51.
- Abrams, T., 1961, Aerial photographs are obsolete: Photogram. Eng., v. 27, no. 5, p. 691 694.
- Ackerl, F., 1961, Satelliten als photographen (Satellites as photographers): Forschungen and Fortschritte (Berlin), v. 35, no. 7, p. 193 195.
- Ahmed, N. and Koepsel, W. W., 1960, An approach to correlate pulsed radar and photographic data: NASA CR-50536, 71 p.
- Alexander, R. H., 1964, Geographic data from space: Prof. Geog., v. XVI, no. 6, p. 1 5.
- \_\_\_\_\_1965, Geographic research potential of earth satellites, in Univ. of Michigan, Inst. Sci. and Technol. 3rd Symp. on Remote Sensing, Oct. 1964: Proc., p. 453 459
- American Meteorological Society, 1963, Bibliography on Meterological Satellites (1952 1962): GPO, Washington D.C., 380 p.
- American Society of Photogrammetry, Photointerpretation Committee, Subcommittee I, 1963, Basic matter and energy relationships involved in remote reconnaissance: Photogram. Eng., v. 29, no. 5, p. 761-99.
- American Society of Photogrammetry, Photointerpretation Committee, Subcommittee V, 1963, Photographic interpretation in the earth sciences: Photogram. Eng., v. 29, no. 6, p. 968 978.
- American Society of Photogrammetry, Photointerpretation Committee, Subcommittee VII, 1965, Photointerpretation in the space sciences: Photogram. Eng., v. 31, no. 6, p. 1060-1075.

- Annable, R. V. and others, 1965, Infrared and the Nimbus high-resolution radiometer: Elec. Commun., v. 40, no. 4, p. 500 507.
- Anson, A., /1965a/, Comparative photointerpretation from panchromatic, color, and Ektachrome IR photography: Amer Soc. Photogram, Tech. Papers, 1965 Semi-annual Convention, p. 11 45.
- $\frac{1}{1965b}$ , Feasibility of objective color systems: ms., n.p.
- Antonini, G.A., 1965, Infrared image applications in studies of the marine environment, in Univ. of Michigan, Inst. Sci. and Technol., 3rd Symp. on Remote Sensing, Oct. 1964: Proc., p. 781 788.
- Aviation Week and Space Technology, 1966, Special Report on NASA Weather Satellite Plans: Aviation Wk. and Space Technol., 3 Jan, p. 40 57.
- Badgley, P.C., 1965, The applications of remote sensors in planetary exploration, in Univ. of Michigan, Inst. Sci. and Technol. 3rd Symp. on Remote Sensing, Oct. 1964: Proc., p. 9 28.
- 1966, Current status of NASA's natural resources program, in Univ. of Michigan, Inst. Sci. and Technol., 4th Symp. on Remote Sensing, Apr. 1966: Proc., p. 547 570.
- Badgley, P.C. and others,  $\sqrt{1965}$ , The use of terrestrial test sites and aircraft flights in preparing for remote sensing from earth orbital spacecraft: ms. prepared for Proceedings of Amer. Astronautical Soc.
- Bahret, W. F. and Sletten, C. J., 1965, A look into the future of radar scattering research and development: Inst. Elect. and Electron. Eng., Proc. v. 53, no. 8, p. 786 795.
- Bailey, J. T. and others, 1964, Radio echo sounding of polar ice sheets: Nature, v. 204, p. 420 441.
- Baker, R.M.L. Jr., 1964, Some aspects of hyperaltitude photogrammetry, Rept. No. 1: NASA CR-68275, 118 p.
- Baliles, M.D. and Neiss, H., 1962, Conference on satellite and ice studies: U.S. Weather Bur., Meteorological Satellite Lab. Rept. No. 20.
- Barath, F. T., 1965, Microwave radiometry and applications to oceanography: Woods Hole Oceanographic Inst., Oceanography from Space, Ref. 65 - 10.

- Barringer, A.R., 1963, The use of audio and radio frequency pulses for terrain sensing, in Univ. of Michigan, Inst. Sci. and Technol., 2nd Symp. on Remote Sensing, Oct. 62: Proc., p. 201 214.
- 1965, Developments towards the remote sensing of vapours as an airborne and space exploration tool, in Univ. of Michigan, Inst. Sci. and Technol., 3rd Symp. on Remote Sensing, Oct. 1964: Proc., p. 279 292.
- 1966, The use of multi-parameter remote sensors as an important new tool for mineral and water resource evaluation, in Univ. of Michigan, Inst. Sci. and Technol., 4th Symp. on Remote Sensing, Apr. 1966: Proc., p. 313 325.
- Bauman, R.C. and Winkler, L., 1955, Rocket Research Report No. XVIII. Photography from the Viking 11 rocket at altitudes ranging up to 158 miles: U.S. Naval Research Lab. Report R-4489.
- 1959, Rocket Research Report No. XXI. Photography from the Viking 12 Rocket at altitudes ranging up to 143.5 miles: U.S. Naval Research Lab. Report R-5273.
- Beccasio, A.D. and Simons, J.H., 1965, Regional geologic interpretation from side-looking airborne radar (SLAR): Photogram. Eng., v. 31, no. 3, p. 507 /abs./
- Beckman, P. and Spizzichino, A., 1963, The scattering of electromagnetic waves from rough surfaces: New York, Macmillan.
- Belinskiy, N.A., 1962, Bol'shie perspectivy razvitiya meteorologii, okeanografii, i gidrologii sushi (Great prospects for the development of meteorology, oceanography, and hydrology):
  Meteorologiya i Gidrologiya (Moscow) no. 9, p. 4 6.
- Benton, M.C., 1959, The use of high-altitude rockets for scientific investigations, an annotated bibliography: U.S. Naval Research Lab. Bibliog. no. 16.
- Biba, F.J., 1964, Photointerpretation of TIROS IV sea ice imagery: Amer. Cong. Surveying and Mapping, 24th Annual Mtg, Wash. D.C..
- Biberman, L.M., 1966, Problems in near real time reconnaissance, in Univ. of Michigan, Inst. Sci. and Technol. 4th Symp. on Remote Sensing, Apr. 1966: Proc., p. 101 110.
- Bird, J.B. and Morrison, A., 1964, Space photography and its geographical applications: Geog. Rev., v. 54, no. 4, p. 463 486.

- Bird, J.B. and others, 1964, World atlas of photography from TIROS satellites I to IV: NASA CR-98.
- Boutry, G.-A. and others, 1962, Experiences de television dans l'infrarouge (longeurs d'onde de 3,5a,4, l u) (Experiments with an infrared TV camera (wavelengths from 3.5 to 4.1 microns): Acad. Sci. Paris, Comptes Rendus, v. 254, no. 10, p. 1757 59.
- Brinkman, J. E., 1966, Space photography: Space/Aeronautics, Jan.
- Broderick, J.C. and Schuster, M.A., 1965, A molecular camera for aerospace applications, in 1965 International Symp. on Space Electronics, Miami Beach, Fla.: Record, p. 13C1-13C9.
- Bruun, Per, 1965, Possibilities for use of space and other high altitude vehicles for coastal engineering data: Woods Hole Oceanographic Inst., Oceanography from Space, Ref. 65 10.
- Buettner, K.J.K. and Kern, C.D., 1963, Infrared emissivity of the Sahara from TIROS data: Science, v. 142, 8 Nov, p. 671 672.
- 1965, The determination of infrared emissivities of terrestrial surfaces: Jour. Geophys. Res., v. 70, no. 6, p. 1329 37.
- Buettner, K.J.K. and others, 1965a, The consequences of terrestrial surface infrared emissivity, in Univ. of Michigan, Inst. Sci. and Technol., 3rd Symp. on Remote Sensing, Oct. 64: Proc., p. 549 561.
- Buettner, K.J.K., and others, 1965b, On the use of intermediate infrared in weather satellites: NASA CR-68089, 53 p.
- Cameron, H.L., 1961, Interpretation of high-altitude small-scale photography: Canadian Surveyor, v. 15, no. 10, p. 567 573.
- 1964, Ice -cover surveys in the Gulf of St. Lawrence by radar: Photogram. Eng., v. 30, no. 5, p. 833 841
- 1965a, Radar as a surveying instrument in hydrology and geology, in Univ. of Michigan, Inst. Sci. and Technol. 3rd. Symp. on Remote Sensing, Oct. 64: Proc., p. 441 - 452.
- 1965b, Radar and ice surveys: Woods Hole Oceanographic Inst., Oceanography from Space, Ref. 65 10, p. 341.
- 1965c, Currents and photogrammetry: Woods Hole Oceanographic Inst., Oceanography from Space, Ref. No. 65 10, p. 29 36.

- \_\_\_\_\_1965d, Radar and geology: U.S. Air Force, AFCRL, Final Report. Cont. No. AF19(628)-4005, Proj. No. 7628, 8623, AFCRL 65-202.
- Carpenter, M.S., 1962, Pilot's flight report, in Results of the Second U.S. Manned Orbital Space Flight: NASA Spec. Pub. 6, p. 69 75.
- Clark, E., 1966, ESSA- New power in the space equation: Aeronautics and Astronautics, Jan, p. 14 15.
- Clarke, G. L., 1965, Transparency, bioluminescence and plankton: Woods Hole Oceanographic Inst., Oceanography from Space, Ref. 65 10.
- Clark, J. & Stone, R. B., 1965, Marine biology and remote sensing: Woods Hole Oceanographic Inst., Oceanography from Space, Ref. 65 10.
- Cain, S.A., 1966, Current and future needs for remote sensor data in ecology, in Univ. of Michigan, Inst. Sci. and Technol., 4th Symp. on Remote Sensing, Apr. 1966: Poc., p. 3 6.
- Coates, G.P., 1961, Reconnaissance satellites: Spaceflight, v. 3, p. 100 104.
- Colwell, R.N., 1960, Some uses and limitations of aerial color photography in agriculture: Photogram. Eng., v. 26, no. 2, p. 220 222.
- 1961, Some practical applications of multiband spectral reconnaissance: Amer. Scientist, v. 29, no. 1, p. 9 36.
- \_\_\_\_\_1963, Platforms for testing multi-sensor equipment <u>in</u> Univ., of Michigan, Inst. Sci. and Technol., 2nd Symp. on Remote Sensing, Oct. 62: Proc., p. 7-49.
- \_\_\_\_1964a, Aerial photography--a valuable sensor for the scientist: Amer. Scientist, v. 52, p. 17-49.
- 1964b, Peaceful uses of photoreconnaissance satellites, in Open Space and Peace: Symposium, Stanford Univ., Calif., Sep. 1963, p. 34-48.
- \_\_\_\_\_1966a, Practical space applications: Amer. Astronautical Soc., Mtg. 21 23 Feb 66, San Diego, Cal. Paper 66-21.
- 1966b, Uses and limitations of multispectral remote sensing, in Univ. of Michigan, Inst. Sci. and Technol., 4th Symp. on Remote Sensing, Apr. 1966: Proc., p. 71-100.

- Colwell, R.N. and Olson, D.L., 1965, Thermal infrared imagery and its use in vegetation analysis by remote aerial reconnaissance, <u>in</u> Univ. of Michigan, Inst. Sci. and Technol., 3rd Symp. on Remote Sensing, Oct. 1964: Proc., p. 607-617.
- Colwell, R.N. and others, 1965, Basic matter and energy relationships involved in remote reconnaissance: Photogram. Eng., v. 29, no. 5, p. 761-799.
- Colwell, R.N. and others, 1965, A multispectral photographic experiment based on a statistical analysis of spectrometric data: Univ. of California School of Forestry, NASA Grant NGR/05-003-080, ms. 3 v.
- Conway, W.H. and Mardon, G., 1965, Microwave radiometers for ocean and weather measurements: Woods Hole Oceanographic Inst., Oceanography from Space, Ref. 65-10.
- Conway, W.H. and Sakamoto, R.T., 1965, Microwave radiometer measurements program, in Univ. of Michigan, Inst. Sci. and Technol., 3rd Symp. on Remote Sensing, Oct. 64: Proc., p. 339-356.
- Conway, W.H. and others, 1963, A gradient microwave radiometer flight test program, in Univ of Michigan, Inst. Sci. and Tehcnol., 2nd Symp. on Remote Sensing, Oct. 62: Proc., p. 145-174.
- Cook, J.C., 1963, Monocycle radar pulses as environmental probes, in Univ. of Michigan, Inst. Sci. and Technol., 2nd Symp. on Remote Sensing, Oct. 62: Proc., p. 223, 231.
- Cooper, C.F., 1965, Potential applications of remote sensing to ecological research, in Univ. of Michigan, Inst. Sci. and Technol., 3rd Symp. on Remote Sensing, Oct. 64: Proc., p. 601-606.
- Cooper, L.G., Jr., 1963, Astronauts' summary flight report, <u>in</u> Mecury Project Summary, including results of the 4th Manned Orbital Flight: NASA Spec. Pub. 45, p. 349-58.
- Corriher, H.A. and Byron, B.O., 1965, A bibliography of articles on radar reflectivity and related subjects: 1957 1964: Inst. Elec. and Electronic Engineers, Proc., v. 53, p. 1025-64.
- Cosgriff, R.L. and others, 1960, Terrain scattering properties for sensor system design (Terrain Handbook II): Ohio State Univ. Eng. Exper. Sta. Bull., 181.
- Cronin, J.F., 1963, Terrestrial features of the United States as viewed from TIROS: Air Force Cambridge Research Lab., AFCRL 63-664, 35 p.

- 1965, Unconventional photography and oceanography: Woods Hole Oceanographic Inst., Oceanography from Space, Ref. 65-10.
- Develet, Jean A., Jr., 1965, Image design for terrain-mapping radar systems: Inst. Elec. and Electron. Eng. Trans. on Information Theory, v. IT-11, p. 233-235.
- Donner, W., 1963, Gas chromatography as a remote sensing device, <u>in</u> Univ. of Michigan, Inst. Sci. and Technol., 2nd Symp. on Remote Sensing, Oct. 62: Proc., p. 393 - 402.
- Drury, H. W. and others, 1961, The migration of "angels" /birds and radar/: Natural History, v. 70, p. 11 17.
- Dulberger, L.H., 1963, Side-looking radar makes maps in flight: Electronics, v. 36, 22 Mar, p. 22, 24, 25.
- Duntley, S. G., 1965, Oceanography from manned satellites by means of visible light: Woods Hole Oceanographic Inst., Oceanography from Space, Ref. 65-10.
- Dutton, J. A., 1962, Space and time response of airborne radiation sensors for the measurement of ground variables: Jour. Geophys. Res., v. 67, no. 1, p.195-205.
- Eastwood, E., 1960, Radar ring "angels" and the roosting movements of starlings: Nature, v. 186, 9 Apr., p. 112 114.
- 1961, Some new applications of radar: Marconi Rev., v. 24, 2nd quart., p. 53-69.
- Edison, A. R. and others, 1960, Radar terrain return measured at near-vertical incidence: Inst. Radio Engineers, Trans., AP-8, p. 246 254.
- Ellermeier, R. D. and Simonett, D. S., 1965, Imaging radars on space-craft as a tool for studying the earth: Univ. of Kansas, CRES Rept. 61-66.
- Ellermeier, R. D. and others, 1966, Some empirical and theoretical interpretations of multiple polarization radar data, <u>in</u> Univ. of Michigan, Inst. Sci. and Technol., 4th Symp. on Remote Sensing, Apr. 1966: Proc., p. 657-670.
- England, G. and Morgan, J.O., 1965, Quantitative airborne infrared mapping, in Univ. of Michigan, Inst. Sci. and Technol., 3rd Symp. on Remote Sensing, Oct. 64: Proc., p. 681-690.

- Estes, J.E., 1966, Some geographic applications of aerial infrared imagery, in Univ. of Michigan, Inst. Sci. and Technol., 4th Symp. on Remote Sensing, Apr. 1966: Proc., p. 173-181.
- Evans, H. E. and others, 1962, The arctic meteorology photo probe: NASA Tech. Note D-706.
- Evans, S., 1961, Polar ionospheric spread echoes and radio frequency properties of ice shelves: Jour. Geophys. Res., v. 66, no. 12, p. 4137-4141.
- Ewing, G. C., 1965, The outlook for oceanographic observations from satellites, in Univ. of Michigan, Inst. Sci. and Technol., 3rd Symp. on Remote Sensing, Oct. 64: Proc., p. 691-716.
- Fatora, D. A., 1965, High-speed camera survey: Soc. Motion Picture and Television Engineers Jour. v. 74, p. 911 915.
- Feder, A.M., 1960a, Radar geology: Cornell Univ., Cornell Aeronautical Labs.
- \_\_\_\_\_1960b, Interpreting natural terrain from radar displays: Photogram. Eng. vol. 26, no. 4, p. 618-630.
- 1963a, Infrared as an oil search tool: World Oil, July, p. 85-
- 1963b, Programs in remote sensing of terrain, in Univ. of Michigan, Inst. Sci. and Technol., 2nd Symp. on Remote Sensing, Oct. 1962: Proc., p. 51-63.
- 1964, Let's use more of the electromagnetic spectrum: Gulf Coast Assoc. of Geol. Societies, Trans., 14th Annual Convention, p. 35-40.
- Fensler, W. E. and others, 1962, The electromagnetic parameters of selected terrestrial and extra terrestrial rocks and glasses: in The Moon, New York, Academic Press, Inc., p. 545-65.
- Fink, D. E., 1965, Gemini photos advance AES experiments: Aviation Week and Space Technol., Aug. 9, p. 61-62.
- Fischer, W. A., 1958, Color aerial photography in photogeologic interpretation: Photogram. Eng., vol. 24, no. 4, p. 545-549.
- 1962a, Color aerial photography in geologic investigations some results of recent studies: Photogram. Eng., v. 28, no. 1, p. 133-139.

- Univ. of Michigan, Inst. Sci. and Technol., 1st Symp. on Remote Sensing, Feb. 62: Proc., p. 112-114.
- 1966, Geologic applications of remote sensors, in Univ. of Michigan, Inst. Sci. and Technol. 4th Symp. on Remote Sensing, Apr. 1966: Proc. p. 13 19.
- Fischer, W. A. and Daniels, D. L., 1964, Interim report of ultraviolet absorption and stimulated luminescence investigations being undertaken in cooperation with NASA. Pt.II, Spectral distribution of ultraviolet stimulated luminescence: U.S. Geol. Survey, Tech. Letter, NASA-3.
- Fischer, W. A. and Gerharz, R., 1964, Interim report of ultraviolet absorption and stimulated luminescence investigations being undertaken in cooperation with NASA. Pt.III, Measurement of ultraviolet reflectance: U.S. Geol. Survey Tech. Letter NASA-3.
- Fischer, W. A. and Ray, R.G., 1962, Are aerial photographs obsolete?: Photogram.Eng., v. 28, no. 1, p. 94-96.
- Fischer, W. A. and others, 1964, Infrared surveys of Hawaiian volcanoes: Science, 6 Nov, p. 733-742.
- Fischer, W. A. and others, 1965, Preliminary results of infrared surveys at Pisgah Crater: U. S. Geol. Survey Tech. Letter NASA-5.
- Fischer, W. A. and others, 1966, Fresh water springs of Hawaii from infrared images: U.S. Geol. Survey, Hydrologic Atlas 218.
- Foster, W. B. and George, T.A., 1966, Post-Apollo experiments for space: Astronautics and Aeronautics, March, p. 50-56.
- Fritz, S., 1962a, Satellite pictures of the snow-covered Alps during April 1960: Archiv für Meteor., Geophysik, u. Bioklimat., ser. A, v. 13, p. 186-198.
- 1962b, Miscellaneous TIROS pictures: NASA Tech. Rep. R-131, p. 325-334.
- \_\_\_\_\_1962c, Snow surveys by satellites, <u>in</u> Internat. Symp. on Rocket and Satellite Meteorology, Wash. D.C., 1962: Abstracts.
- 1963, The variable appearance of the earth from satellites: Monthly Weather Rev., v. 91, p. 613-620.

- Frost, Robert E., 1960, The program of multiband sensing research of the U.S. Army Snow, Ice and Permafrost Research Establishment: Photogram. Eng., vol. 26, no. 5, p. 786-792.
- Fry, B. M. and Mohrhardt, F. E., eds., 1963, A guide to information sources in space science and technology: New York, Interscience.
- Fujita, T., 1965, Evaluation of errors in the graphical rectification of satellite photographs: Jour. Geophys. Res., v. 70, no. 24, p. 5997-6007.
- Fung, A. K., 1964, Theory of radar scatter from rough surfaces, bistatic, and monostatic, with applications to lunar radar return: Jour. Geophys. Res., v. 69, p. 1063-1074.
- \_\_\_\_\_1965, Scattering theories and radar return: Univ. of Kansas, CRES Rept. 48-3.
- Fung, A. K. and Moore, R. K., 1964, Effects of structure size on moon and earth radar returns at various angles: Jour. Geophys. Res., v. 69, p. 1075 1082.
- Fusca, J. A., 1964, Space surveillance: Space/Aeronautics, June, p. 92-103.
- Galler, S.R., 1965, Possible contributions of manned (and unmanned) satellites toward advancing the fields of marine biology and biological oceanography: Woods Hole Oceanographic Inst., Oceanography from Space, Ref. 65-10.
- Garrison, W. L., 1966, Demands for small-area data, in Five Papers on Remote Sensing and Urban Information Systems: U.S. Navy ONR Tech. Rept. no.1, Contract No. 1228(37).
- Gates, D.M., 1963, The energy environment in which we live: Amer. Scientist, v. 51, no. 3.
- 1965, Characteristics of soil and vegetated surfaces to reflected and emitted radiation, in Univ. of Michigan, Inst. Sci. and Technol., 3rd Symp. on Remote Sensing, Oct. 64: Proc., p. 573-600.
- Gawarecki, S. J. and others, 1965, Infrared spectral returns and imagery of the earth from space, and their applications to geologic problems, in Amer. Astronaut Soc., 3rd Goddard Memorial Symp., 1965, Proc.

- Geleynse, M. and Barringer, A.R., 1965, Recent progress in remote sensing with audio and radio frequency pulses, <u>in</u> Univ. of Michigan, Inst. Sci. and Technol., 3rd Symp. on Remote Sensing, Oct. 1964: Proc., p. 469 494.
- General Electric Co., Missle and Space Div., 1963, Oceanographic satellite systems concept and feasibility study. Final report, v. 1, Summary: Doc. No. 63SD717.
- General Motors Corp., AC Spark Plug Div., 1960, Iceberg detection by microwave radiometry. Report on experimental test flight program: U.S. Coast Guard, Contract No. TCG-41456.
- Gettys, R.F., 1965, Evaluation of color photos exposed from the Gemini (GT-4) flight over the Gulf of California, June, 1965: U.S. Navy Oceanographic Office, Informal Manuscript Report No. T-39-65, 11 p.
- 1966, Extraction of nautical chart information from color photographs obtained on Gemini orbital flights 4,5, and 7, in Univ. of Michigan, Inst. Sci. and Technol., 4th Symp. on Remote Sensing, Apr. 1966: Proc., p. 457-465.
- Geyer, Richard A., 1965, Oceanographic uses for an airborne infrared detection device: Woods Hole Oceanographic Inst., Oceanography from Space, Ref. 65-10.
- Gillespie, R. W., 1965, The role of remote sensing in the NASA manned interplanetary program and vice versa, in Univ. of Michigan, Inst. Sci. and Technol., 3rd Symp. on Remote Sensing, Oct. 64: Proc., p. 79-90.
- Glaser, A.H., and others, 1965, The applicability of TIROS and Nimbus data to investigation of the feasibility of sea surface temperature measurements from satellites: Woods Hole Oceanographic Inst., Oceanography from Space, Ref. 65-10.
- Glenn, J. H., Jr. and O'Keefe, J. A., 1962, The Mercury-Atlas-6 space flight: Science, v. 136, Jun 29, p. 1093-1099.
- Goddard, G. W., 1962, Photography remains king in aerospace age: Photogram. Eng., v. 28, no. 1, p. 88-93.
- Golberg, I. L. and others, 1965, Nimbus High-resolution infrared measurements, in Univ. of Michigan, Inst. Sci. and Technol., 3rd Symp. on Remote Sensing, Oct. 1964: Proc., p. 141-151.

- Hirsch, S. N., 1963, Applications of remote sensing to forest fire detection and suppression, in Univ. of Michigan, Inst. Sci. & Technol., 2nd Symp. on Remote Sensing, Oct. 62: Proc., p. 295-308.
- 1965, Preliminary experimental results with infrared line scanners for forest fire surveillance, in Univ. of Michigan, Inst. Sci. and Technol., 3rd Symp. on Remote Sensing, Oct. 64: Proc., p. 623-648.
- Hodgin, D.M., 1963, The characteristics of microwave radiometry in remote sensing of environment, <u>in</u> Univ. of Michigan, Inst. Sci. and Technol., 2nd Symp. on Remote Sensing, Oct. 62: Proc., p. 127-137.
- Hoffer, R.M. and others, 1966, Vegetative, soil, and photographic factors affecting tone in agricultural remote multispectral sensing, in Univ. of Michigan, Inst. Sci. and Technol., 4th Symp. on Remote Sensing, Apr. 1966: Proc., p. 115-134.
- Hoffman, P. R., 1960, Progress and problems in radar photo interpretation: Photogram. Eng., v. 26, no. 4, p. 612-618.
- Holliday, C. T., 1950, Seeing the earth from 80 miles up: Nat. Geogr. Mag., v. 98, no. 4, p. 511 528.
- Holliday, C. T., 1954, The earth as seen from outside the atmosphere, in G.P. Kuiper, ed: The Earth as a Planet, Univ. of Chicago Press.
- Holter, M. R., 1965, Infrared and multispectral sensors: Infrared and Optical Sensor Lab., Inst. of Sci. and Technol., Univ. of Michigan, ms.
- Holter, M.R. and Legault, R.R., 1965a, The motivation for multi-spectral sensing, in Univ. of Michigan, Inst. Sci. & Technol., 3rd Symp. on Remote Sensing, Oct. 1964: Proc., p. 71-77.
- \_\_\_\_\_1965b, Orbital sensors for oceanography: Woods Hole Oceanographic Inst., Oceanography from Space, Ref., 65-10.
- Holter, M.R. and others, 1962, Fundamentals of infrared technology: New York, Macmillan.
- Hovey, Stanford T., 1965, Panoramic possibilities and problems: Photogram. Eng., v. 31, no. 4, p. 727-734.
- HRB- Singer, Inc., 1960, Infrared reconnaissance photographs: Aviation Wk., Feb., p. 76.

- Greaves, J. R. and others, 1966, The feasibility of sea surface temperature determination using satellite infrared data: NASA CR-474, 54 p.
- Hagfors, T., 1964, Backscattering from an undulating surface with applications to radar returns from the moon: Jour. Geophys. Res., v. 69, no. 18, p. 3779-3784.
- Halmos, E.E., Jr., 1963, Precise hi-speed cameras: Ground Support Equipment, v. 5, Feb.-Mar., p. 24-26.
- Hanel, R. A. and Stroud, W. G., 1960, Infrared imaging from satellites: Jour. Soc. Motion Picture and Television Engineers, v. 69, no. 1, p. 25-26.
- Hanel, R. A. and Wark, D. Q., 1961, Physical significance of the TIROS II radiation experiment: NASA Tech. Note D-701, 16 p.
- Harding, J. M., 1964, Vehicles and sensors, in Open Space and Peace: Symp. Stanford Univ., Calif. Sep 63, p. 55-63.
- Harris, D. E. and Woodbridge, C. L., 1964, Terrain mapping by use of infrared radiation: Photogram. Eng., v. 30, no. 1, p. 134-139.
- Hayre, H. S., 1962, Roughness and radar return: Inst. Radio Engrs., Proc., v. 50, no. 2, p. 223-224.
- Heimer, R. J., 1963, The systematic design of a high-acuity longfocal length reconnaissance objective for aerospace photography: Photographic Sci. and Eng., v. 7, p. 157-161.
- Hemphill, W.R., 1958, Small-scale photographs in photogeologic interpretation: Photogram. Eng., v. 24, no. 14, p. 562-567.
- Hemphill, W. R. and Carnahan, S. U., 1965, Ultraviolet absorption and luminescence investigations progress report: U. S. Geol. Survey Tech. Letter NASA-6.
- Hemphill, W.R. and Gawarecki, S. J., 1964, Interim report of ultraviolet absorption and stimulated luminescence investigation being undertaken in cooperation with NASA. Pt. I Ultraviolet video imaging system: U. S. Geol. Survey, Tech. Letter NASA-3.
- Herivald, S. W., 1966, Technology utilization the industrial opportunity, in Fifth National Conference on Peaceful Uses of Space, St. Louis, Mo., May, 1965: NASA SP-82, p. 72-77.
- Hines, C.O., 1966, Sounding rocket resurgence: Astronautics and Aeronautics, Jan., p. 8-13.

- Ichiye, T., 1965, Oceanographic problems of utilization of satellites: Woods Hole Oceanographic Inst., Oceanography from Space, Ref., 65-10.
- Institute of Radio Engineers, 1959, Proceedings (Special issue on infrared physics and technology), v. 47, no. 9.
- Institute of Electrical and Electronics Engineers, 1965, Proceedings (Special issue on radar reflectivity), v. 53, no. 8.
- Iordanskiy, A. N., 1959, Spektrozonal'naya fotografiya i spektrozonal'nye planki (Spectrazonal photography and spectrazonal film): Laboratori Aerometodov Trudy, v. 7, p. 25-31.
- Itek Corp., 1965, Photographic considerations for aerospace: Itek Corp., 118 p.
- Itek Laboratories, 1961, Panoramic progress, pt. 1: Photogram. Eng., v. 27, no. 5, p. 747 754.
- 1962, Panoramic progress, pt. 2: Photogram. Eng., v. 28, no. 1, p. 99 107.
- Jaffee, L., 1966, Space applications growing world wide systems: Astronautics and Aeronautics, June, p. 50 - 59.
- Johnson, P. L., 1964, The application of multiband aerial sensing to problems in plant ecology: paper presented to International Botanical Congress, 10th Edinburgh, Aug. 1964.
- \_\_\_\_\_1965, Radioactive contamination to vegetation: Photogram. Eng., v. 31, no. 6, p. 984-990.
- Katz, I., 1965, Radar backscattering from the sea: Woods Hole Oceanographic Inst., Oceanography from Space, Ref. 65-10.
- Kennedy, J. M. and Sakamoto, R. T., 1966, Passive microwave determinations of snow wetness factors, in Univ. of Michigan, Inst. Sci. and Technol., 4th Symp. on Remote Sensing, Apr. 1966: Proc., p. 161-171.
- Kern, C. D., 1963, Desert soil temperatures and infrared radiation received by TIROS III: Jour. Atmos. Sci., v. 20, p. 175-176; "Reply" - W. Nordberg and W. R. Bandeen, p. 176 - 178.
- 1965, Evaluation of infrared emission of clouds and ground as measured by weather satellites: U. S. Air Force, AFCRL Environ. Res. Papers No. 155.

- Ketchum, R. D. and Wittman, W. I., 1966, Infrared scanning the Artic pack ice, <u>in</u> Univ. of Michigan, Inst. Sci. and Technol., 4th Symp. on Remote Sensing, Apr. 1966: Proc., p. 635-656.
- King, J., and others, 1963, Infrared: International Sci. and Technol., Apr., p. 26-37.
- Kinsman, F. E., 1965, Some fundamentals in non-contact electromagnetic sensing for geoscience purposes, in Univ. of Michigan, Inst. of Sci. and Technol., 3rd Symp. on Remote Sensing, Oct. 1964: Proc., p. 495-515.
- Kiss, E., 1963, Supplementary bibliography on the use of satellites in meteorology: Meteor. and Geoastrophysical Abs., v. 14, p. 870-936.
- Klass, P. J., 1962, Lack of infrared data hampers Midas: Aviation Wk. and Space Technol., v. 77, no. 13, p. 54-57.
- \_\_\_\_\_1963, New thin film infrared sensor developed: Aviation Wk. and Space Technol., v. 12, May 20, p. 91, 93, 95, 97.
- Konecny, G. and Derenyi, E. E., 1966, Geometrical considerations for mapping from scan imagery, <u>in</u> Univ. of Michigan, Inst. Sci. and Technol., 4th Symp. on Remote Sensing, Apr. 1966: Proc., p. 327 338.
- Konaski, C. F., 1964, Water and cloud temperatures measured from U-2 aircraft: Amer. Meteor. Soc., Bull., v. 45, p. 581 586.
- Kovit, B., 1961, Infrared detectors new designs, new applications: Space/Aeronautics, V. 36, no. 5, pt. 1, p. 104-107.
- \_\_\_\_\_1963, Infrared in space: Space/Aeronautics, v. 39, Jan., p. 56-67.
- Latham, J. P., 1963, Geographic analysis and remote sensing capability, in Univ. of Michigan, Inst. Sci. and Technol., 2nd Symp. on Remote Sensing, Oct. 1962: Proc., p. 65-79.
- 1964, Electronic measurement and analysis of geographic phenomena, final report: Bowling Green State Univ., Ohio, Contract No. NONr-3004/01, 36 p.
- 1966, Remote sensing of environment: Geogr. Rev., v. 56, no. 2, p. 288-291.
- Lattman, L. H., 1963, Geologic interpretation of airborne infrared imagery: Photogram. Eng., v. 29, no. 1, p. 83-87.

- Leestma, R. A., 1966, Applications of air and spaceborne sensor imagery for the study of natural resources, in Univ. of Michigan, Inst. Sci. & Technol., 4th Symp. on Remote Sensing, Apr. 1966: Proc., p. 111-113.
- Legault, R. R. and Polcyn, F. C., 1965, Investigations of multispectral image interpretation, in Univ. of Michigan, Inst. Sci. and Technol., Proc., p. 813-821.
- Leighty, R. D., 1966, Terrain information from high-altitude sidelooking radar imagery of an Arctic area, in Univ. of Michigan, Inst. Sci. and Technol., 4th Symp. on Remote Sensing, Apr. 1966: Proc., p. 575-597.
- Leistner, K. G. and Paris, D. P., 1961, Some characteristics of panoramic cameras for aerial surveillance: Photographic Sci. and Eng., v. 5, p. 257 262.
- Leonardo, E. S., 1963, Comparison of imaging geometry for radar and camera photographs: Photogram. Eng., v. 29, no. 2, p. 287-293.
- \_\_\_\_\_1964, Capabilities and limitations of remote sensors: Photogram. Eng., v. 30, no. 6, p. 1005-1010.
- Limperis, T., 1965, Target and background signature study, in Univ. of Michigan, Inst. Sci. and Technol, 3rd Symp. on Remote Sensing, Oct. 1964: Proc., p. 423-433.
- Lowe, D.S. and Polcyn, F.C., 1965, Multispectral data collection program, in Univ. of Michigan, Inst. Sci. and Technol., 3rd Symp. on Remote Sensing, Oct. 1964: Proc., p. 667-680.
- Lowman, P. D., Jr., 1964, A review of photography of the earth from sounding rockets and satellites: NASA TN D-1868.
- \_\_\_\_\_1965a, Space photography a review: Photogram. Eng., v. 31, no. 1, p. 76 86.
- 1965b, Photographic exploration of the earth from orbital distances, in Southwest Res. Inst.: Bioastronautics and the Exploration of Space Dec. 1965, p. 163-183.
- /1966, Experiment S-5: Synoptic terrain photography during Gemini V: ms. n.p., NASA.
- Lowman, P. D. Jr. and others, 1966, Terrain photography on the Gemini IV mission: NASA TM-X-55456, 26 p.

- Lundien, J. R., 1965, Terrain analysis by electromagnetic means: ms., U.S. Army Waterways Experiment Station.
- Lyon, R. J. P., 1962, Evaluation of infrared spectrophotometry for compositional analysis of lunar and planetary soils: Final Rept. SR1 Proj. SU-3943; Contract No. NASr-49(04), Stanford Research Inst.
- 1965, Introductory remarks on infrared sensing: Woods Hole Oceanographic Inst., Oceanography from Space, Ref. 65-10.
- Lyon, R. J. P. and Burns, E. A., 1963, Analysis of rocks and minerals by reflected infrared radiation: Econ. Geol., V. 58.
- Lyon, R. J. P. and Patterson, J.W., 1966, Infrared spectral signatures a field geological tool, in Univ. of Michigan, Inst. Sci. and Technol., 4th Symp. on Remote Sensing, Apr. 1966: Proc., p. 215 230.
- McAlister, E. D. and McLeish, W. L., 1965, I. Oceanographic measurements with airborne infrared equipment and their limitations. II. A two-wavelength microwave radiometer for temperature and heat exchange measurements at the sea surface of possible use in manned satellites: Woods Hole Oceanographic Inst., Oceanography from Space, Ref. 65 10.
- McAnerney, J. M., 1966, Terrain interpretation from radar imagery, in Univ. of Michigan, Inst. Sci. and Technol., 4th Symp. on Remote Sensing, Apr. 1966: Proc., p. 731 750.
- McClellan, W. D. and Meiners, J. P., 1963, Spectral reflectance studies on plants, in Univ. of Michigan, Inst. Sci. and Technol., 2nd Symp. on Remote Sensing, Oct. 1962: Proc., p. 403-413.
- MacDonald, D. E., 1964, The requirements for information and systems, in Open Space and Peace: Symp. Stanford Univ., California, Sep. 1963, p. 64-83.
- McLeish, W., 1965, The use of an infrared mapper in the study of small-scale ocean circulations, in Univ. of Michigan, Inst. Sci. and Technol., 3rd Symp. on Remote Sensing, Oct. 1964: Proc., p. 717-735.
- McLerran, J.H., 1965a, Airborne crevasse detection, in Univ. of Michigan, Inst. Sci. and Technol., 3rd Symp. on Remote Sensing, Oct. 1964: Proc., p. 801 802.
- 1965b, Infrared sea ice reconnaissance, in Univ. of Michigan, Inst. Sci. and Technol., 3rd Symp. on Remote Sensing, Oct. 1964: Proc., p. 789 799.

- \_\_\_\_\_1965 c, Some applications of infrared thermal sensing: Amer. Soc. Photogram., Ann. Conv., Mar 1965, Wash. D.C.
- McLerran, J. H. and Morgan, J. O., 1965, Thermal mapping of Yellow-stone National Park, in Univ. of Michigan, Inst. Sci. and Technol., 3rd Symp. on Remote Sensing, Oct. 1964: Proc., p. 517-530.
- Manning, W. H., 1963, The TV telescope: Astronautics and Aerospace Engineering, v. 1, Jul, p. 36-40.
- Marble, D. F. and Thomas, E. N., 1966, Some observations on the utility of multispectral photography for urban research, <u>in</u> Univ. of Michigan, Inst. Sci. and Technol., 4th Symp. on Remote Sensing, Apr. 1966: Proc., p. 135-144.
- Mardon, A., 1965, Application of microwave radiometers to oceanographic measurements, in Univ. of Michigan, Inst. Sci. and Technol., 3rd Symp. on Remote Sensing, Oct. 1964: Proc., p. 763-779.
- Marks, W., 1965, The application of airborne radar backscatter to measurement of the state of the sea: Woods Hole Oceanographic Inst., Oceanography from Space, Ref. 65-10.
- Meier, M. F. and others, 1966, Multispectral sensing tests at South Cascade Glacier Washington, in Univ. of Michigan, Inst. Sci. and Technol., 4th Symp. on Remote Sensing, Apr. 1966: Proc., p. 145-159.
- Merifield, P.M., 1963, Geologic uses of hyperaltitude photography: Ph.D. Thesis, Univ. of Colorado.
- Merifield, P.M., and Rammelkamp, J., 1964, Photo interpretation of White Sands rocket photography: NASA CR-68274.
- 1966, Terrain as seen from TIROS: Photo. Eng., v. 32, no. 1, p. 44 54.
- Merritt, E. S., 1965, The role of satellite and manned spacecraft in marine meterology: Woods Hole Oceanographic Inst., Oceanography from Space, Ref. 65-10.
- Meyer, M. A., 1966, Remote sensing of ice and snow thickness, in Univ. of Michigan, Inst. Sci. and Technol., 4th Symp. on Remote Sensing, Apr. 1966: Proc., p. 183-192.
- Miller, C. D., 1963, An airborne spectral radiometer, in Univ. of Michigan, Inst. Sci. and Technol., 2nd Symp. on Remote Sensing, Oct. 1962: Proc., p. 359-373.

- Miller, L. D., 1966, Location of anomalously hot earth with infrared imagery in Yellowstone National Park, in Univ. of Michigan, Inst. Sci. and Technol., 4th Symp. on Remote Sensing, Apr. 1966: Proc., p. 751 - 769.
- Molineux, C. E., 1962, Air Force remote sensing programs, in Univ. of Michigan, Inst. Sci. and Technol., 1st Symp. on Remote Sensing, Feb. 1962: Proc., p. 93-98.
- 1965a, Aerial reconnaissance of surface features with the multiband spectral system, in Univ. of Michigan, Inst. Sci. and Technol., 3rd Symp. on Remote Sensing, Oct. 1964: Proc.,p. 399-421.
- 1965b, Multiband spectral system for reconnaissance: Photogram. Eng., v. 31, no. 1, p. 131-143.
- Moore, R. K., 1965a, Note of the capabilities of radar for measuring clouds, precipitation, evaporation, and sea state: Woods Hole Oceanographic from Space, Ref. 65-10.
- 1965b, Satellite radar and oceanography: Woods Hole Oceanographic Inst., Oceanography from Space, Ref. 65-10.
- \_\_\_\_\_1966a, Radar as a sensor: Univ. of Kansas, CRES Rept. 61-7, 1966, 55 p.
- Univ. of Kansas CRES Rept. 61 11, 1966, 35 p.
- Moore, R. K. and Pierson, W. J., 1965, Measuring sea-state and estimating surface winds from a polar-orbiting satellite:

  <u>in</u> International Symp. on Electromagnetic Sensing of the Earth from Satellites, Miami, Fla.
- Moore, R.K. and others, 1959, Radar cross-sections of terrain near-vertical incidence at 415mc, 3800mc and extension of analysis to X-band: Univ. New Mexico Tech. Rept. EE-21.
- Morain, S. A. and Simonett, D.S., 1966, Vegetation analysis with radar imagery: Univ. of Kansas, CRES Rept. No. 61-9, 18 p.
- Morgan, J. O., 1962, Infrared technology, in Univ. of Michigan, Inst. Sci. and Technol., 1st Symp. on Remote Sensing, Feb. 62: Proc., p. 61-80.
- Morgan, J. O. and Prentice, V. L., 1960, Third symposium on remote sensing: Photo. Eng., v. 32, no. 1, p. 98-108.

- Morrison, A. and Bird, J. B., 1964, Space photography and its geographical applications: Geog. Rev., v. 54, no. 4.
- 1965, Photography of the earth from space and its non-meteorological applications, in Univ. of Michigan, Inst. Sci. and Technol., 3rd Symp. on Remote Sensing, Oct. 1964: Proc., p. 357 - 363.
- Morrison, A. and Chown, M.C., 1964, Photography of the western Sahara Desert from the Mecury MA-4 spacecraft: NASA CR-126.
- Moxham, R. M. and Alcaraz, A., 1966, Infrared surveys at Taal Volcano, Philippines, in Univ. of Michigan, Inst. Sci. and Technol., 4th Symp. on Remote Sensing, Apr. 1966: Proc., p. 827-843.
- Moxham, R. M. and others, 1965, Thermal features at Mt. Rainier, Wash. as revealed by infrared surveys, <u>in</u> Geol. Survey Research 1965: U.S. Geol. Survey Prof. Paper 525D, p. D93-D100.
  - Mueller, G. E., 1965a, Some applications of Apollo: Internat. Astronaut. Cong., 16th, Athens, Greece, Sep. 1965.
- 1965b, Beyond Apollo: Astronautics and Aeronautics, v. 3, no. 8, p. 54 59.
- Nagel, M. R., 1962, Some applications of infrared techniques in space flight and space research, in Wissenschaftliche Gesellschaft für Luftfahrt E.V.: Jahrbuch, 1961, Braunschweig. F. Vieweg u. Sohn, p. 339-343.
- Narva, M.A. and Muckler, F. A., 1963, Visual surveillance and reconnaissance from space vehicles: Human Factors, p. 295-315.
- National Academy of Sciences, National Research Council, 1966, Space-craft in geographic research: Report of Conferences on Use of Orbiting Satellites in Geographic Research, Houston, Jan. 1965, NAS-NRC Pub. 1353.
- Neal, J. T., 1962, Airborne geoscience research: Photogram. Eng., v. 28, no. 3, p. 438-441.
- Newbry, L. E., 1960, Terrain radar reflectance study: Photogram. Eng., v. 26, no. 4, p. 630-637.
- Nikodem, H. J., 1966, Effects of soil layering on the use of VHF radio waves for remote terrain analysis, in Univ. of Michigan, Inst. Sci. and Technol., 4th Symp. on Remote Sensing, Apr. 1966: Proc. p. 691-703.

- Nordberg, W. and Samuelson, R. E., 1965, Terrestrial features observed by the high resolution infrared radiometer, <u>in</u> Observations from the Nimbus I Meteorological Satellite: NASA SP-89, p. 37-46.
- Ockert, D. L., 1960, Satellite photography with strip and frame cameras: Photogram. Eng. v. 26, no. 4, p. 592-596.
- Odishaw, H. ed., 1961, Space exploration in the service of science: Bull. of Atomic Scientists, v. 17, no. 5/6, p. 170-240.
- Olson, C.E., Jr., 1960, Elements of photographic interpretation common to several sensors: Photogram. Eng., v. 26, no. 4, p. 651 656.
- 1963a, Infrared sensors and their potential applications in forestry: Michigan Academy of Science, Arts, and Letters, Papers.
- 1963b, The energy flow profile in remote sensing, in Univ. of Michigan, Inst. Sci. and Technol., 2nd Symp. on Remote Sensing, Oct. 1962: Proc., p. 187-199.
- Olson, D. L. and Cantrell, J. T., 1965, Comparison of airborne conventional photography and scanned ultra-violet imagery: Photogram. Eng., v. 31, no. 3, p. 507 / abs./
- Ory, T. R., 1965, Line-scanning reconnaissance systems in land utilization and terrain studies, in Univ. of Michigan, Inst. Sci. and Technol., 3rd Symp. on Remote Sensing, Oct. 1964: Proc., p. 393 398.
- Osborne, M.F.M., 1965, The effect of convergent and divergent flow patterns on infrared and optical radiation from the sea: Sonderdruck aus dem Deutschen Hydrographischen Zeitschrift, v. 18, no. 1.
- Ossenbeck, Fr. J. and Kroeck, P. C., eds., 1964, Open space and place: Hoover Inst. Stanford Univ.
- Page, R. M., 1962, The early history of radar: Inst. Radio Engrs., Proc., v. 50, no. 5, p. 1232-1236.
- Parker, D. C., 1962, Some basic considerations related to the problem of remote sensing, in Univ. of Michigan, Inst. Sci. and Technol., 1st Symp. on Remote Sensing. Feb. 1962: Proc. p. 7 23.
- Parker, D. C., and Wolff, M. F., 1965, Remote sensing: International Sci. and Technol., Jul, p. 20-31, 73.

- Peake, W. H., 1959a, Interaction of electromagnetic waves with some natural surfaces: Inst. Radio Eng. Trans. on Antennas and Propagation (Spec. Suppl.) v. AP-7, p. S324-S329.
- \_\_\_\_\_1959b, Theory of radar return from terrain: Inst. Radio Eng. National Conv. Rec., v. 7, pt. 1, p. 27-41.
- Phleger, F.B., 1965, Study of effects of submarine valleys on water masses and currents: Woods Hole Oceanographic Inst., Oceanography from Space, Ref. 65-10.
- Pierson, W. J., Jr., 1965, Windwaves and swell: Woods Hole Oceanographic Inst., Oceanography from Space, Ref. 65-10.
- Pierson, W. J. and others, 1965, Some applications of radar return data to the study of terrestrial and oceanic phenomena: <u>in</u>
  Amer. Astronaut. Soc., 3rd Goddard Memorial Symp., Wash. D.C.,
  Mar. 1965: AAS No. 65-54.
- Popham, R. and Samuelson, R.E., 1965, Polar exploration with Nimbus, in Observations from the Nimbus I Meteorological Satellite: NASA SP-89, p. 47-60.
- Poulin, A.O. and Harwood, T.A., 1966, Infrared imagery in the Arctic under daylight conditions, in Univ. of Michigan, Inst. Sci. and Technol., 4th Symp. on Remote Sensing, Apr. 1966: Proc., p. 231-241.
- Pruitt, Evelyn L., 1965, Use of orbiting research laboratories for experiments in coastal geology: Woods Hole Oceanographic Inst., Oceanography from Space, Ref. 65-10.
- Resta, P. E., 1965, Image interpretation in a space environment: Photogram. Eng., v. 31, no. 6, p. 1010-1017.
- Riharzek, A. W., 1965, Radar signal design for target resolution: Inst. Electrical and Electronics Engrs., Proc., v. 53, no. 2. p. 116-128.
- Ritter, M. and Mesner, M. H., 1960, Image sensors and space environment: Soc. Motion Picture Television Eng. Jour., v. 69, no. 1, p. 18-24.
- Robinove, C. J., 1965, Infrared photography and imagery in water resources research: Amer. Water Works Assoc. Jour., v. 57, no. 7, p. 834-840.

- 1966, Remote sensor applications in hydrology, <u>in</u> Michigan, Inst. Sci. and Technol., 4th Symp. on Remote Sensing, Apr. 1966: Proc., p. 25-32.
- Rocklin, R. S., 1963, Observation satellites for arms control inspection: Jour. Arms Control, V. 1, no. 3, p. 224-247.
- Rosell, F. A., 1961, Imaging-tube detectors: Space/Aeronautics, v. 36, no. 5, pt. 1, p. 113-116.
- Rouse, J. W., Jr. and others, 1966, Use of orbital radars for geoscience applications: Univ. of Kansas, CRES Rept. 61-8.
- Rydstrom, H.O., 1966, Interpreting local geology from radar imagery: Goodyear Aerospace Corp., GERA-1122, 9 p.
- Saur, J. F. T., 1965, Oceanographic observations from manned satellites for fishery research and commercial fishery applications: Woods Hole Oceanographic Inst., Oceanography from Space, Ref. 65-10.
- Scheps, B. B., 1962, The history of radar geology, in Univ. of Michigan, Inst. Sci. and Technol., 1st Symp. on Remote Sensing, Feb. 1962: Proc., p. 106-111.
- 1965, Oceanographic applications for radar: Woods Hole Oceanographic Inst., Oceanography from Space, Ref. 65-10.
- Schockley, W. G., 1963, Identifying soil parameters with an infrared spectrophotometer, in Univ. of Michigan, Inst. Sci. and Technol., 2nd Symp. on Remote Sensing, Oct. 1962: Proc., p. 267-288.
- Scull, J. R., 1962, The application of optical sensors for lunar and planetary space vehicles: Calif. Inst. Tech., Jet Propul. Lab., TR 32-274.
- Shay, J. R., 1966, Some needs for expanding agricultural remote sensing research, in Univ. of Michigan, Inst. Sci. and Technol., 4th Symp. on Remote Sensing, Apr. 1966: Proc., p. 33-36.
- Sherman, J. C., 1963, Accumulation of geographic data through remote sensing techniques, in Univ. of Michigan, Inst. Sci. and Technol., 2nd Symp. on Remote Sensing, Oct. 1962: Proc., p. 427-429.
- Simons, J. H., 1965, Some applications of side-looking airborne radar, in Univ. of Michigan, Inst. Sci. and Technol., 3rd Symp. on Remote Sensing, Oct. 1964: Proc., p. 563-571.
- Simons, J. H. and Beccasio, A. D., 1964, An evaluation of geoscience applications of side-looking airborne mapping radar: Raytheon Co., Autometric.

- Simonett, D. S., 1964, Possible uses of radar for geoscience purposes from orbiting spacecraft: Univ. of Kansas, CRES Rept. CRQ 61-2.
- \_\_\_\_1966, Future and present needs of remote sensing in geography: Univ. of Kansas, CRES Rept. 61-12.
- Simonett, D. S. and Brown, D. A., 1965, Spacecraft radar as a means for studying the Antarctic: Univ. of Kansas, CRES Rept. No. 61-4.
- Simonett, D. S. and Morain, S. A., 1965, Remote sensing from spacecraft as a tool for investigating Arctic environments: Univ. of Kansas CRES Rept. 61-6.
- Simpson, R. B., 1965, Radar as a tool for surveys of underdeveloped areas: Paper presented to Assoc. Amer. Geog. Columbus, O., 21 Apr.
- 1966, Radar, geographic tool: Annals, Assoc. Amer. Geog., v. 56, no. 1, p. 80 96.
- Singer, S. F., 1962, Forest fire detection from satellites: Jour. Forestry, v. 60, p. 860-862.
- \_\_\_\_\_1964, Meteorological satellites, in Internat. Astronautical Cong., 13th Varna, Bulgaria, Sep 1962: Proc., v. 1, p. 146-165.
- Singer, S. F. and Popham, R. W., 1963, Non-meteorological observations from weather satellites: Astronaut. Aerospace Eng., v. 1, no. 3, p. 89-92.
- Skibitzke, H.E. and Brown, R. H., 1965, Remote sensing of hydrologic phenomena: Paper presented at Huntsville, Ala. Symposium on Remote Sensing, Nov.
- Skiles, J.J. and others, 1963, An airborne instrumentation system for microwave and infrared radiometry, <u>in</u> Univ. of Michigan, Inst. Sci. and Technol., 2nd Symp. on Remote Sensing, Oct. 1962: Proc., p. 175-185.
- Slavecki, R. J., 1965, Detection and location of subsurface coal fires, in Univ. of Michigan, Inst. Sci. and Technol., 3rd Symp. on Remote Sensing, Oct. 1964: Proc., p. 537-547.
- Smith, J. T. Jr., 1963, Color-a new dimension in photogrammetry: Photogram. Eng., v. 29, no. 6.
- Smith, N., 1962, Radar technology and remote sensing, in Univ. of Michigan, Inst. Sci. and Technol., 1st Symp. on Remote Sensing, Feb. 1962: Proc., p. 33-42.

- Soules, S. D., 1963, Spectral reflectance photography of the earth from Mecury spacecraft MA-8: U.S. Weather Bureau, Meteorological Satellite Lab. Report No. 22.
- Space/Aeronautics, 1966, Aerospace in perspective: special issue, Space/Aeronautics, v. 45, no.1.
- Squire, James L., Jr., 1965, Airborne oceanographic programs of the Tiburon Marine Laboratory and some observations of future development and uses of this technique: Woods Hole Oceanographic Inst., Oceanography from Space, Ref. 65-10.
- Staelin, D. H., 1965, Microwave spectral measurements applicable to oceanography: Woods Hole Oceanographic Inst., Oceanography from Space, Ref. 65-10.
- Strandberg, C.H., 1965, Aerial photographic interpretation techniques for water quality analyses: Photogram. Eng., v. 31, no. 3, p. 506 /abs./
- Strangway, D. W. and Holmer, R.C., 1965, Infrared geology, in Univ. of Michigan, Inst. Sci. and Technol., 3rd Symp. on Remote Sensing, Oct. 1964: Proc., p. 293-319.
- Strees, L.V., 1961, A satellites' view of the earth: Photogram. Eng., v. 27, no.1, p. 37-41.
- Stroud, W. G., 1960, Our earth as a satellite sees it: Nat. Geog. Mag., v. 118, Aug., p. 292-302.
- Suits, G. H., 1960, The nature of infrared radiation and ways to photograph it: Photogram. Eng., v. 26, no. 5, p. 763 -772.
- Tarble, R. D., 1962, Snow surveys of western United States with the aid of satellite pictures: <u>read at 2nd Western Nat. Mtg.</u> Amer. Geophys. Un., Dec. 62, Stanford Univ. California.
- Taylor, R. C., 1959, Terrain return measurements at X, Ku, and Ka band: Inst. Radio Eng. Nat. Conv. Rec., v. 7, pt.1, p. 19-26.
- Thomas, E. N. and Marble, D. F.,1965 The use of remote sensors in urban information systems, <u>in</u> Amer. Soc. Planning Officials, 3rd Ann. Conf. on Urban Planning Information Systems and Programs: Proc.

- Thomas, J. R. and others, 1966, Factors affecting light reflectance of cotton, in Univ. of Michigan, Inst. Sci. and Technol., 4th Symp. on Remote Sensing, Apr. 1966: Proc., p. 305-312.
- Tully, John P., 1965, The possible use of satellite data in estimating the depth of the thermocline: Woods Hole Oceanographic Inst., Oceanography from Space, Ref. 65-10.
- Udall, S. L., Resource understanding a challange to aerial methods. Photogram. Eng., v. 31. no. 1, 1965, p. 63,-75.
- U. S. Congress, House, Committee on Science and Astronautics, 1960, Practical values of space exploration (Report of the Committee): Wash. D.C., G.P.O., 54 p.
- U. S. NASA, 1963, Mercury Project Summary, including results of the 4th manned orbital flight: Wash. D.C., G.P.O.
- Uses of Space, Boston, 29 Apr-1 May 1964: Wash. D.C., G.P.O.
- 1965a, Manned Space Flight Experiments Symposium, Gemini Missions III and IV: NASA TM-X-56861.
- 1965b, Nimbus I Users' Catalog: AVCS and APT.
- U.S. NASA, Goddard Space Flight Center, 1965, Observations from the Nimbus I Meteorological Satellite: Wash. D.C., G.P.O.
- U.S. NASA and U.S. Weather Bur., 1962, Final Report on TIROS I Meteorological Satellite System.
- U.S. Naval Oceanographic Office, Oceanographic Prediction Div., 1964, Birds Eye 1 63 /radar ice surveillance/: Ms. Rep. No. 0-30-64, unpub. ms.
- U.S. Weather Bureau, 1966, Second ESSA satellite launching scheduled February 25: NASA ES-66-14, 25 p.
- Univ. of Michigan, Inst. Science and Technology, 1962, Proceedings, 1st Symposium on Remote Sensing of Environment: Feb. 13-15, 1962, Contract Nonr1224(44).
- 1963a, Proceedings, 2nd Symposium on Remote Sensing of Environment. 15-17 Oct. 62. Contract Nonr 1224(44).
- 1963b, Remote sensing of environment final report: Rept. No. 4864-6-F.

- \_\_\_\_1965, Proceedings of the Third Symposium on Remote Sensing of Environment, Oct. 1964.
- 1966a, Proceedings, 4th Symposium on Remote Sensing. Apr. 1966.
- \_\_\_\_\_1966b, Peaceful Uses of Earth-Observation Spacecraft, vol. I.
  Introduction and Summary, vol. II Survey of Applications and Benefits, vol. III Sensor Requirements and Experiments: Rept. No. 7219-1-F, NASA Contract NASw-1084.
- Van Lopik, J. R., 1962, Optimum utilization of airborne sensors in military geography: Photogram. Eng., v. 28, no. 5, p. 773-778.
- Van Lopik, J. R. and Yarbrough, L. A., 1966, Comments on remote sensing needs in geoscience engineering and exploration, in Univ. of Michigan, Inst. Sci. and Technol., 4th Symp. on Remote Sensing, Apr. 1966: Proc., p. 49-54.
- Vargo, L. G. and others, 1961, Observation satellite orbits: IAS-ARS Joint Nat. Mtg., Los Angeles, Cal., Jun, Paper 61-139-1833, 13 p.
- Vedder, J. G. and Wolfe, E. W., 1966, Evaluation of Ektachrome and multiband photography in Caliente Range, California, <u>in</u> U. S. Geol. Survey, Natural Resources Program, Space Applications Programs, 2nd ed., 1966, p. 31D-37D.
- Vivian, W. E., 1962, Passive microwave technology and remote sensing, in Univ. of Michigan, Inst. Sci. and Technol., 1st Symp. on Remote Sensing, Feb. 1962: Proc., p. 44-56.
- 1963, Application of passive microwave techniques in terrain analysis, in Univ. of Michigan, Inst. Sci. and Technol., 2nd Symp. on Remote Sensing, Oct. 62: Proc., p. 119-125.
- Waite, A. H., 1964, Ice-depth sounding with electromagnetic waves, Arctic and Antarctic: paper presented to National Acad. Sci., Comm. on Polar Research.
- Walker, J. E., 1961, Progress in spectral reflectance film filter research applicable to engineering and geologic studies: Photogram. Eng., v. 27, no. 3, p. 445-450.
- Walker, T. J., 1965, Detection of marine organisms by an infrared mapper: Woods Hole Oceanographic Inst., Oceanography from Space, Ref. 65-10.

- Wallace, R. E., 1966, Evaluation of enhanced multiband photography, San Andreas fault zone, Carrizo Plain, California, in U. S. Geol. Survey, Natural Resources Program, Space Applications Programs, 2nd ed., p. 24-D 30-D.
- Wark, D. Q. and Popham, R. W., 1960, TIROS I observations of ice in the Gulf of St. Lawrence: Monthly Weather Review, v. 88, no. 5, p. 182-186.
- \_\_\_\_\_1962, Ice Photography from the Meteorological Satellites,
  TIROS I and TIROS II: U.S. Weather Bur. Meteor. Sat. Lab. Rep. 8.
- 1963, The development of satellite ice surveillance techniques, in Rocket and Satellite Meteorology: Proc. 1st International Symp. on Rocket and Satell. Meteorol. Wash. D.C. Apr. 1962, p. 415-418.
- Wark, D. Q. and others, 1962, Ice observations by the TIROS II satellite and by aircraft: Arctic (Montreal), v. 15, no. 1, p. 9-26.
- Wilson, H., 1963, Photo from space ... a new tool for oil exploration?: Oil and Gas Jour., Oct. 21, p. 72 73.
- Wilson, R. C., Forestry applications of remote sensing, in Univ. of Michigan, Inst. Sci. and Technol., 4th Symp. on Remote Sensing, Apr. 1966: Proc., p. 63-70.
- Wolf, J. M., 1962, Radar ring "Angels," <u>in</u> Univ. of Michigan, Inst. Sci. and Technol., 1st Symp. on Remote Sensing, Feb. 62: Proc., p. 57-60.
- Wolff, P. M., 1965, Operational analysis and forecasting of ocean temperatures structure: Woods Hole Oceanographic Inst., Oceanography from Space, Ref. 65-10.
- Woods Hole Oceanographic Institution, 1965, Oceanography from Space: Proceedings of Conference on The Feasibility of Conducting Oceanographic Explorations from Aircraft, Manned Orbital and Lunar Laboratories, Aug. 1964. Gifford C. Ewing, ed., Ref. 65-10, 469 p.
- Wormser, E. M., 1961, IR instrumentation a sure bet for spacecraft: Space/Aeronautics, v. 36, no. 2, p. 127-142.
- Wright, W., 1964, USAF seeking improved reconnaissance aids to conduct demanding missions: Aviation Wk. and Space Technol. 5 Apr.
- Yaffee, M. L., 1963, Camera may aid terrain study: Aviation Wk., v. 79, no. 19, p. 69 and 71.

- Yoritomo, K. T., 1965, All-weather mapping: Amer. Soc. Photogram., Tech. Papers, 1965 Semi-annual Convention, p. 235-252.
- Zastrow, R. and Ritchie, D. J., 1960, Design considerations of television satellite reconnaissance systems: Bendix Tech. Jour., Oct., p. 49-72.
- Zissis, G., 1963, Decision by default /declassification/, in Univ. of Michigan, Inst. Sci. and Technol., 2nd Symp. on Remote Sensing, Oct. 1962: Proc., p. 233-234.

# PRECEDING PAGE BLANK NOT FILMED.

# Index

Agriculture	Van Lopik, 1962
Colwell, 1960	
Shay, 1966	Geology
Thomas and others, 1966	Beccasio and Simons, 1965
4 11	Cameron, 1965a, 1965b
Apollo	Feder, 1960a
Anon, 1965b	Fischer, 1958, 1962a,
Foster and George, 1966	1962b, 1966
Mueller, 1965a	Fischer and others, 1964
Mueller, 1965b	Gawarecki and others, 1965
Camanaa	Hemphill, 1958
Cameras  Production and Cobustor	Lattman, 1963
Broderick and Schuster, 1965	Lyon and Burns, 1963
	Lyon and Patterson, 1966
Fatora, 1965 Halmos, 1963	Merifield, 1963
Heimer, 1963	Moxham and Alcaraz, 1966
Leistner and Paris, 1961	Moxham and others, 1965
Ockert, 1960	Pruitt, 1965 Rydstrom, 1966
Yaffee, 1963	Scheps, 1962
Tallec, 1909	Strangway and Holmer, 1965
Ecology	Wallace, 1966
Cain, 1966	Wilson, 1963
Cooper, 1965	W115011, 1505
Johnson, 1964	Hydrology
,,	Cameron, 1965a
Gemini	Fischer and others, 1966
Anon, 1966	Robinove, 1965
Fink, 1965	Robinove, 1966
Gettys, 1965, 1966	Skibitzke and Brown, 1965
Lowman, 1966	Strandberg, 1965
Lowman and others, 1966	
U.S. NASA, 1965a	Ice
	Bailey, 1964
Geography	Baliles and Neiss, 1962
Alexander, 1964, 1965	Biba, 1964
Bird and Morrison, 1964	Cameron, 1964, 1965b
Estes, 1966	Evans, 1961
Garrison, 1966	General Motors Corp., 1960
Latham, 1963, 1964	Ketchum, 1966
National Academy Sciences,	McLerran, 1965a, 1965b
1966	Meyer, 1966
Ory, 1965	U.S. Naval Oceanographic
Sherman, 1963	Office, 1964
Simonett, 1966	Waite, 1964
Simonett, 1900	warte, 1704

Morgan, 1962 Wark and Popham, 1960, 1962, 1963 Moxham and Alcaraz, 1966 Wark and others, 1962 Moxham and others, 1965 Nagel, 1962 Nordberg and Samuelson, Infrared Annable and others, 1965 1965 Antonini, 1965 Olson, 1963a Osborne, 1965 Buettner and Kern, 1963, Poulin and Harwood, 1966 Buettner and others, 1965a, Robinove, 1965 1965Ъ Schockley, 1963 Singer, 1962 Colwell and Olson, 1965 Dutton, 1962 Skiles and others, 1963 England and Morgan, 1965 Slavecki, 1965 Estes, 1966 Feder, 1963a Mercury Carpenter, 1962 Fischer and others, 1964, 1965, 1966 Cooper, 1963 Gawarecki and others, 1965 Glenn and O'Keefe, 1962 Geyer, 1965 Morrison and Chown, 1964 Goldberg, 1965 Hanel and Stroud, 1960 Soules, 1963 Harris and Woodbridge, U.S. NASA, 1963 1964 Hirsch, 1965 Meteorology Anon, 1962b Holter, 1965 Holter and others, 1965 American Meteorology HRB-Singer, 1960 Society, 1963 Institute Radio Engineers, Aviation Week and Space Technology, 1966 1959 Kern, 1963, 1965 Conway and Mardox, 1965 Evans and others, 1962 Ketchum and Wittman, 1966 King and others, 1963 Fritz, 1962a, 1962c Kennedy and Sakamoto, 1966 Klass, 1962, 1963 Kiss, 1963 Konaski, 1964 Kovit, 1961, 1963 Lattman, 1963 Merritt, 1965 Lyon, 1962, 1965 Moore, 1965a Lyon and Burns, 1963 Singer, 1964 Lyon and Patterson, 1960 Tarble, 1962 McAlister and McLeish, 1965 McLeish, 1965 Microwave McLerran, 1965b, 1965c Barath, 1965 McLerran and Morgan, 1965 Conway and Mardon, 1965 Conway and Sakamoto, 1965 Miller, 1966

Conway and others, 1963 General Motors Corp., 1960 Hodgin, 1963 Kennedy and Sakamoto, 1966 Konecny and Derenyi, 1966 McAlister and McLeish, 1965 Mardon, 1965 Skiles and others, 1963 Staelin, 1965 Vivian, 1962, 1963

#### Multiband

Colwell, 1961, 1966b
Colwell and others, 1965
Frost, 1960
Hoffer and others, 1966
Holter, 1965
Iordanskiy, 1959
Johnson, 1964
Legault and Polcyn, 1965
Marble and Thomas, 1966
Meier and others, 1966
Molineux, 1965a, 1965b
Vedder and Wolfe, 1966
Walker, 1961
Wallace, 1966

#### Nimbus

Annable and others, 1965 Glaser and others, 1965 Golberg and others, 1965 Nordberg and Samuelson, 1965 Popham and Samuelson, 1965 U.S. NASA, 1965b U.S. NASA, Goddard Space Flight Center, 1965

# Oceanography

Antonini, 1965
Barath, 1965
Cameron, 1965c
Clarke, 1965
Clarke & Stone, 1965
Conway & Mardon, 1965
Cronin, 1965
Duntley, 1965
Ewing, 1965
Galler, 1965

General Electric Co., 1965 Gettys, 1965, 1966 Geyer, 1965 Glaser and others, 1965 Greaves and others, 1966 Holter and Legault, 1965b Ichiye, 1965 Katz, 1965 McAlester and McLeish, 1965 McLeish, 1965 Mardon, 1965 Marks, 1965 Moore, 1965a, 1965b Moore and Pierson, 1965 Osborne, 1965 Pheleger, 1965 Pierson, 1965 Saur, 1965 Scheps, 1965 Squire, 1965 Staelin, 1965 Tully, 1965 Walker, 1965 Wolff, 1965 Woods Hole Oceanographic Institution, 1965

#### Photogrammetry

Baker, 1964
Fujita, 1965
Itek Corp., 1965
Leonardo, 1963

# Photography

Abrams, 1961
Ahmed and Koepsel, 1960
Anson, 1965a, 1965b
Bird and Morrison, 1964
Brinkman, 1966
Cameron, 1961
Carpenter, 1962
Colwell, 1960, 1964a
Cooper, 1963
Cronin, 1965
Fink, 1965
Fischer, 1958, 1962a

Gettys, 1965, 1966 Goddard, 1962 Hemphill, 1958 Hovey, 1965 Itek Laboratories. 1961, 1962 Lowman, 1964, 1965a, 1965b, 1966 Lowman and others, 1966 Merifield, 1963 Morrison and Bird, 1965 Morrison and Shown, 1964 Ockert, 1960 Olson and Cantrell, 1965 Robinove, 1965 Smith, 1963 Soules, 1963

Photointerpretation
American Society of
Photogrammetry, 1963,
1965
Anson, 1965a, 1965b
Cameron, 1961
Hoffman, 1960
Merifield and Rammelkamp,
1964
Olson, 1960
Resta, 1965
Strandberg, 1965

#### Radar

Ahmed and Koepsel, 1960 Bahret and Sletten, 1965 Bailey and others, 1964 Beccasio and Simons, 1965 Beckman and Spizzichino, 1963 Cameron, 1964, 1965a, 1965b, 1965d Cook, 1963 Corriber and Byron, 1965 Cosgriff and others, 1960 Develet, 1965 Drury and others, 1961 Dulberger, 1963 Eastwood, 1960, 1961 Edison and others, 1960

Ellermeier and Simonett, 1965 Ellermeier and others, 1966 Feder, 1960a, 1960b, 1962Ъ Fung, 1964, 1965 Fung and Moore, 1964 Hagfors, 1964 Hayre, 1962 Hoffman, 1960 Institute of Electrical and Electronics Engineers, 1965 Katz, 1965 Leighty, 1966 Leonardo, 1963 McAnerney, 1966 Marks, 1965 Moore, 1965a, 1965b, 1966Ъ Moore and others, 1959 Morain and Simonett, 1966 Newby, 1960 Page, 1962 Peake, 1959a, 1959b Pierson and others, 1965 Riharzek, 1965 Rouse and others, 1966 Rydstrom, 1966 Scheps, 1962, 1965 Simons, 1965 Simons and Beccasio, 1964 Simonett, 1964 Simonett and Brown, 1965 Simpson, 1965, 1966 Smith, 1962 Taylor, 1959 U.S. Navy Oceanographic Office, 1964 Wolf, 1962 Yoritomo, 1965

# Remote Sensing (General)

Anon, 1962a, 1964, 1965a,	Meier and others, 1966	
1965Ъ	Miller, 1963	
Abrams, 1961	Molineux, 1962	
Acker1, 1961	Morgan and Prentice,	
American Society of	1960	
Photogrammetry, 1963	Narva and Muckler, 1963	
Badgley, 1965, 1966	Neal, 1962	
Badgley and others, 1965	Odishaw, 1961	
Barringer, 1963, 1965, 1966	01son, 1963b	
Beckman and Spizzichino,	Ory, 1965	
1963	Ossenbeck and Kroeck,	
Belinskiy, 1962	1964	
Biberman, 1966	Parker, 1962	
Bruun, 1965	Parker and Wolff, 1965	
Clark, 1966	Ritter and Mesner, 1960	
Cain, 1966	Rocklin, 1963	
Coates, 1961	Rosell, 1961	
Colwell, 1963, 1964b,	Scull, 1962	
1966a	Simonett and Morain,	
	1965	
Colwell and others, 1965		
Cooper, 1965	Singer, 1964	
Cosgriff and others, 1960	Singer and Popham, 1963	
Donner, 1963	Space/Aeronautics, 1966	
Feder, 1963b, 1964	Strees, 1961	
Fensler and others, 1962	Stroud, 1960	
Fischer, 1966	Thomas and Marble, 1965	
Fritz, 1963	Udall, 1965	
Fry and Mohrhardt, 1963	U.S. Congress, 1960	
Fusca, 1964	U.S. NASA, 1964	
Garrison, 1966	U.S. Weather Bureau,	
Gates, 1963	1966	
Geleynse and Barringer,	University of Michigan	
1965	1962, 1963a, 1963b,	
Gillespie, 1965	1965, 1966a, 1966b	
Harding, 1964	Van Lopik and Yarbrough,	
Heriwald, 1966	1966	
Holliday, 1950, 1954	Vargo and others, 1961	
Holter and Legault, 1965a	Wright, 1964	
Jaffee, 1966	Zissis, 1963	
Kinsman, 1965	215515, 1703	
	Rockets	
Latham, 1966	Bauman and Winkler, 1955	_
Leestma, 1966	1959	,
Leonardo, 1964	Benton, 1959	
Limperis, 1965	Evans and others, 1962	
Lowe and Polcyn, 1965	Hines, 1966	
Lundien, 1965		
MacDonald, 1964	Merifield and Rammelkamp	,
	-	

# Soils

Gates, 1965
Hoffer and others, 1966
Kern, 1963
Lyon, 1962
Nikodem, 1966
Schockley, 1963

# Television

Boutry and others, 1962 Manning, 1963 Zastrow and Ritchie, 1960

#### TIROS

Anon, 1962a, 1962b Biba, 1964 Bird and others, 1964 Buettner and Kern, 1963 Cronin, 1963 Fritz, 1962b Glaser and others, 1965 Hanel and Wark, 1961 Kern, 1963 Merifield and Rammelkamp, 1966 U.S. NASA and U.S. Weather Bureau, 1962 Wark and Popham, 1960 Wark and Popham, 1962 Wark and others, 1962

# Ultraviolet

Fischer and Daniels, 1964
Fischer and Gerharz, 1964
Hemphill and Carnahan,
1965
Hemphill and Gawarecki,
1964
Olson and Cantrell, 1965

# Vegetation

Colwell and Olson, 1965 Gates, 1965 Hirsch, 1963, 1965
Hoffer and others,
1966
Johnson, 1965
McClellan and Meiners,
1963
Morain and Simonett,
1966
Olson, 1963a
Singer, 1962
Wilson, 1966